

PUBLICATION NUMBER : 60250473  
PUBLICATION DATE : 11-12-85

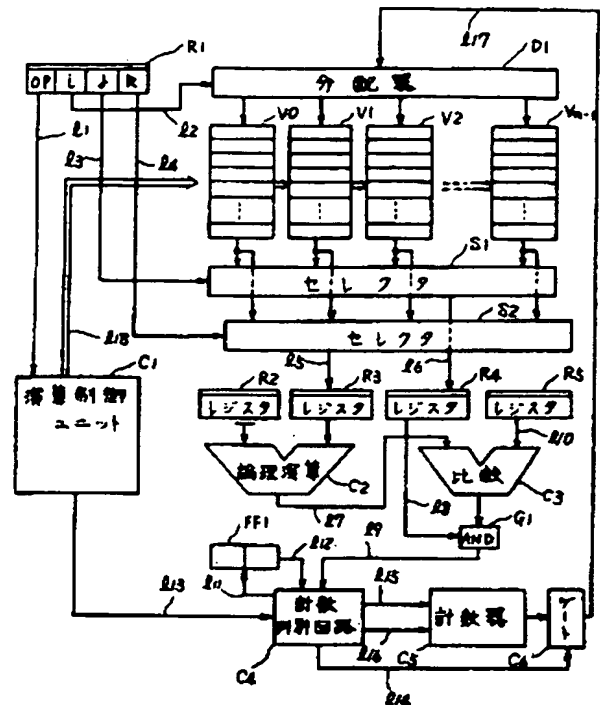
APPLICATION DATE : 25-05-84  
APPLICATION NUMBER : 59104545

APPLICANT : HITACHI LTD;

INVENTOR : INAGAMI YASUHIRO;

INT.CL. : G06F 15/347

TITLE : VECTOR PROCESSOR



ABSTRACT : PURPOSE: To count the number of extracted vector elements that conform to a specified pattern continuously by generating the number of continuous specific patterns in a part masked by a mask register to resultant vector.

CONSTITUTION: When a vector element of input vector is inputted to a register R3, logical operation is made with a mask pattern stored in a register R2 by a logical operator G2. The result is compared with a specific pattern stored in a register R5 by a comparator C3, and the result is sent to a count discrimination circuit C4 through an AND gate G1. When specific patterns are applied continuously from a line I9, the count discrimination circuit C4 applies count pulse to a counter C5 through a line I15 under control of a flip-flop FF1. The result of counting is stored in a vector register by a distributor D1 from a gate C6 through a line I17.

COPYRIGHT: (C)1985,JPO&Japio